

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Revised 12-1-55

Pool Basin Dakota Formation Dakota County San Juan
Initial X Annual _____ Special _____ Date of Test 9-24-64
Company PAN AMERICAN PETROLEUM CORP. Lease W. D. Heath "A" Well No. 8
Unit C Sec. 17 Twp. 29N Rge. 9W Purchaser _____
Casing 7-5/8 Wt. 240 I.D. 4.032 Set at 2335 Perf. 6513-34 To 6636/72
4-1/2 Wt. 10.50 I.D. 4.032 Set at 6700 Perf. 6570-6610 To 6638/46
Tubing 2-3/8 Wt. 4.7 I.D. 1.995 Set at 6523 Perf. 6511 To 6517
Gas Pay: From 6513 To 6672 L _____ xG .700 -GL _____ Bar.Press. 12
Producing Thru: Casing _____ Tubing X Type Well Single
Single-Bradenhead-G. G. or G.O. Dual
Date of Completion: 9-14-64 Packer None Reservoir Temp. _____

OBSERVED DATA

Tested Through (~~annular~~) (Choke) (~~restrictor~~) Type Taps Flange

No.	Flow Data					Tubing Data		Casing Data		Duration of Flow Hr.
	(annular) (Line) Size	(Choke) (annular) Size	Press. psig	Diff. h _w	Temp. °F.	Press. psig	Temp. °F.	Press. psig	Temp. °F.	
SI	10 day					2844		2844		
1.	2 inch	.730	461			461	60° sat.	1057	60° sat.	3 hr.
2.										
3.										
4.										
5.										

FLOW CALCULATIONS

No.	Coefficient (24-Hour)	$\sqrt{h_w p_f}$	Pressure psia	Flow Temp. Factor F _t	Gravity Factor F _g	Compress. Factor F _{pv}	Rate of Flow Q-MCFPD @ 15.025 psia
1.	12.3630		473	1.000	.9238	1.000	3740
2.							
3.							
4.							
5.							

PRESSURE CALCULATIONS

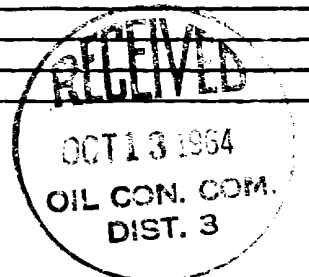
Gas Liquid Hydrocarbon Ratio _____ cf/bbl.
Gravity of Liquid Hydrocarbons _____ deg.
F_c _____ (1-e^{-s})

Specific Gravity Separator Gas _____
Specific Gravity Flowing Fluid _____
P_c 2876 P_c 4,309.776

No.	P _w P _t (psia)	P _t ²	F _c Q	(F _c Q) ²	(F _c Q) ² (1-e ^{-s})	P _w ²	P _c ² -P _w ²	Cal. P _w	P _w P _c
1.						1,142,761	3,167,013		
2.									
3.									
4.									
5.									

Absolute Potential: 7232 MCFPD; n .75
COMPANY PAN AMERICAN PETROLEUM CORPORATION
ADDRESS Box 450, Farmington, New Mexico
AGENT and TITLE By: ORIGINAL SIGNED BY
WITNESSED F. W. Foell
COMPANY _____

REMARKS



INSTRUCTIONS

This form is to be used for reporting multi-point back pressure tests on gas wells in the State, except those on which special orders are applicable. Three copies of this form and the back pressure curve shall be filed with the Commission at Box 871, Santa Fe.

The log log paper used for plotting the back pressure curve shall be of at least three inch cycles.

NOMENCLATURE

Q = Actual rate of flow at end of flow period at W. H. working pressure (P_w).
MCF/da. @ 15.025 psia and 60° F.

P_c = 72 hour wellhead shut-in casing (or tubing) pressure whichever is greater.
psia

P_w = Static wellhead working pressure as determined at the end of flow period.
(Casing if flowing thru tubing, tubing if flowing thru casing.) psia

P_t = Flowing wellhead pressure (tubing if flowing through tubing, casing if flowing through casing.) psia

P_f = Meter pressure, psia.

h_w = Differential meter pressure, inches water.

F_g = Gravity correction factor.

F_t = Flowing temperature correction factor.

F_{pv} = Supercompressibility factor.

n = Slope of back pressure curve.

Note: If P_w cannot be taken because of manner of completion or condition of well, then P_w must be calculated by adding the pressure drop due to friction within the flow string to P_t .



LTR



Job separation sheet

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NEW MEXICO OIL CONSERVATION COMMISSION

SANTA FE, NEW MEXICO

FORM C-110

(Rev. 7-60)

171, Com.
Pan American Petroleum Corp.
has changed its name to
AMOCO PROD. CO.

CERTIFICATE OF COMPLIANCE AND AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

ENCLOSE THE ORIGINAL AND 4 COPIES WITH THE APPROPRIATE OFFICE

Company or Operator PAN AMERICAN PETROLEUM CORPORATION				Lease W. D. Heath "A"		Well No. 8	
Unit Letter C	Section 17	Township T-29-N	Range R-9-W	County San Juan			
Pool Basin Dakota				Kind of Lease (State, Fed, Fee) Federal			
If well produces oil or condensate give location of tanks		Unit Letter	Section	Township	Range		
Authorized transporter of oil <input type="checkbox"/> or condensate <input checked="" type="checkbox"/> Plateau, Incorporated				Address (give address to which approved copy of this form is to be sent) P. O. Box 108, Farmington, New Mexico			
Is Gas Actually Connected? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> XXX							
Authorized transporter of casing head gas <input type="checkbox"/> or dry gas <input checked="" type="checkbox"/>		Date Connected	Address (give address to which approved copy of this form is to be sent)				
El Paso Natural Gas Company			P. O. Box 990, Farmington, New Mexico				

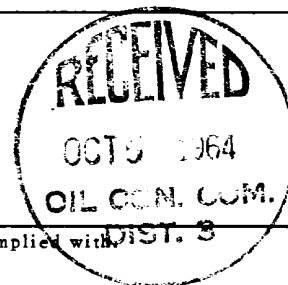
If gas is not being sold, give reasons and also explain its present disposition:

REASON(S) FOR FILING (please check proper box)

- New Well ☒ Change in Ownership ☐
Change in Transporter (check one) Other (explain below)
Oil ☐ Dry Gas ☐
Casing head gas ☐ Condensate ☐

Remarks

Completed 9-14-64 as Basin Dakota Field Well.



The undersigned certifies that the Rules and Regulations of the Oil Conservation Commission have been complied with.

Executed this the 29th day of September, 19 64.

OIL CONSERVATION COMMISSION		By ORIGINAL SIGNED BY L. R. Turner
Approved by Original Signed Emery C. Arnold		Title Administrative Clerk
Title Supervisor Dist. # 3		Company PAN AMERICAN PETROLEUM CORPORATION
Date OCT 5 1964		Address P. O. Box 480, Farmington, New Mexico